

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ERIC COMPTON Examiner #: 77152 Date: 5/30/04
 Art Unit: 376 Phone Number 305-5240 Serial Number: 10,165,537
 Mail Box and Bldg/Room Location: 213 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: METHODS OF MAKING TUNGSTEN CARBIDE - By, S. Danforth SWIRK

Inventors (please provide full names): TRENT WEST

Earliest Priority Filing Date: 1-24 8 1947

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

This embodiment is a finger ring / wedding band

PL PUB = 2004/0088862

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: <u>Eric Compton</u>	NA Sequence (#) <input checked="" type="checkbox"/>	STN <input checked="" type="checkbox"/> 4221 225.96
Searcher Phone #: <u>305-5240</u>	AA Sequence (#) <input checked="" type="checkbox"/>	Dialog <input checked="" type="checkbox"/> 331.29
Searcher Location: <u>CPZ 2 CS</u>	Structure (#) <input checked="" type="checkbox"/>	Questel/Orbit _____
Date Searcher Picked Up: <u>5/26/04 (1pm)</u>	Bibliographic <input checked="" type="checkbox"/>	Dr. Link _____
Date Completed: <u>5/30/04 10:55AM</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis _____
Searcher Prep & Review Time: <u>175m</u>	Fulltext <input checked="" type="checkbox"/>	Sequence Systems _____
Clerical Prep Time: <u>175m</u>	Patent Family <input checked="" type="checkbox"/>	WWW/Internet <input checked="" type="checkbox"/>
Online Time: <u>175m</u>	Other <input checked="" type="checkbox"/>	Other (specify) _____



STIC Search Report

EIC 3700

STIC Database Tracking Number: 131108

**TO: Eric Compton
Location: CP2 5A13
Art Unit: 3726
Friday, September 03, 2004**

Case Serial Number: 10/633584

**From: Emory Damron
Location: EIC 3700
CP2-2C08
Phone: 305-8587**

Emory.Damron@uspto.gov

Search Notes

Dear Eric,

Please find below an inventor search in the bibliographic and full-text foreign patent files, as well as keyword searches in the patent and non-patent literature files, both bibliographic and full text.

References of potential pertinence have been tagged, but please review all the packets in case you like something I didn't.

In addition to searching on Dialog, I also searched Google.com, EPO/JPO/Derwent, and STN/CAS.

We reviewed much of what I had found about halfway through the search, but I've included that here nonetheless, tagging the one reference which sparked your interest. As to the nonpatent literature, I've tagged the references which mentioned jewelry other than watchcases and which described a tungsten carbide component. As a matter of general interest, I did include all patent and nonpatent references which spoke of watchcases only; it seems the Japanese have been using tungsten carbide in this field for quite some time.

Please contact me if I can refocus or expand any aspect of this case, and please take a moment to provide any feedback (on the form provided) so EIC 3700 may better serve your needs.

Sincerely,

Emory Damron

Technical Information Specialist/EIC 3700, US Patent & Trademark Office

Phone: (703) 305-8587/ Fax: (703) 306-5915

Emory.Damron@uspto.gov





STIC Search Results Feedback Form

EIC 3700

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

John Sims, EIC 3700 Team Leader
308-4836, CP2-2C08

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: **3726** Example: 3730

➤ Relevant prior art **found**, search results used as follows:

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- Foreign Patent(s)
- Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- Results verified the lack of relevant prior art (helped determine patentability).
- Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC3700 CP2-2C08



Set Items Description
S1 14359 TUNGSTEN()CARBID? OR TUNGSTENCARBID? OR WOLFRAM()CARBID? OR
 WOLFRAMCARBID? OR W2C
S2 0 RN=(12070-13-2 OR 12070-12-1 OR 11130-73-7)
S3 5801 (WEDDING? OR ANNIVERSARY? OR ENGAGEMENT? OR FINGER? OR JEW-
 ELRY? OR JEWELLRY?) (10N) (RING? OR BAND? OR ANULUS? OR ANNULUS?
 OR ANNULET? OR ANULET?)
S4 33501 NECKLACE? OR BROOCH? OR PENDANT? OR CUFFLINK? OR BRACELET?
 OR WATCHCASE? OR WATCH()CASE? OR EARRING? OR EAR()RING?
S5 3 S1:S2 AND S3:S4
S6 3 RD (unique items)
? show files
File 2:INSPEC 1969-2004/Aug W4
 (c) 2004 Institution of Electrical Engineers
File 6:NTIS 1964-2004/Aug W4
 (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1970-2004/Aug W4
 (c) 2004 Elsevier Eng. Info. Inc.
File 25:Weldasearch 1966-2003/Dec
 (c) 2004 TWI Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Aug W5
 (c) 2004 Inst for Sci Info
File 35:Dissertation Abs Online 1861-2004/Jul
 (c) 2004 ProQuest Info&Learning
File 48:SPORTDiscus 1962-2004/Aug
 (c) 2004 Sport Information Resource Centre
File 50:CAB Abstracts 1972-2004/Jul
 (c) 2004 CAB International
File 65:Inside Conferences 1993-2004/Aug W5
 (c) 2004 BLDSC all rts. reserv.
File 94:JICST-EPlus 1985-2004/Aug W1
 (c) 2004 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2004/Jun W1
 (c) 2004 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jul
 (c) 2004 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Sep 03
 (c) 2004 The Gale Group
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02
 (c) 2001 THE NEW YORK TIMES
File 474:New York Times Abs 1969-2004/Sep 02
 (c) 2004 The New York Times
File 475:Wall Street Journal Abs 1973-2004/Sep 01
 (c) 2004 The New York Times
File 481:DELPHES Eur Bus 95-2004/Aug W4
 (c) 2004 ACFCI & Chambre CommInd Paris
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
?

6/3,K/3 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

00524719 JICST ACCESSION NUMBER: 88A0031926 FILE SEGMENT: JICST-E
Development of corrosion resistant, nonmagnetic cemented carbides. (The 1st
report).

SEKI ATSUSHI (1); MARUYAMA MASAO (1); MINATO YOSHIHIRO (1); SAKATA
TOSHIMITSU (1)

(1) Sumitomo Electric Industries, Ltd.

SEI Teknikaru Rebyu(Sumitomo Electric Technical Review), 1987, NO.131,
PAGE.152-156, FIG.7, TBL.2, REF.9

JOURNAL NUMBER: F0314AAL CODEN: SUDEA

UNIVERSAL DECIMAL CLASSIFICATION: 669:620.193/.196

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

...ABSTRACT: for quality and individuality in the leisure goods market, the
demand for cemented carbides in **watch cases** has also increased as a
result of their superior properties. To answer these markets needs...

...DESCRIPTORS: **tungsten carbide** ;

Set	Items	Description
S1	5649	TUNGSTEN()CARBID? OR TUNGSTENCARBID? OR WOLFRAM()CARBID? OR WOLFRAMCARBID? OR W2C
S2	0	RN=(12070-13-2 OR 12070-12-1 OR 11130-73-7)
S3	43577	(WEDDING? OR ANNIVERSARY? OR ENGAGEMENT? OR FINGER? OR JEW-ELRY? OR JEWELLRY?) (10N) (RING? OR BAND? OR ANULUS? OR ANNULUS? OR ANNULET? OR ANULET?)
S4	120406	NECKLACE? OR BROOCH? OR PENDANT? OR CUFFLINK? OR BRACELET? OR WATCHCASE? OR WATCH()CASE? OR EARRING? OR EAR()RING?
S5	42	S1:S2 AND S3:S4
S6	23	S5 AND PY<1999
S7	21	RD (unique items)
? show files		
File	9:Business & Industry(R)	Jul/1994-2004/Sep 02 (c) 2004 The Gale Group
File	16:Gale Group PROMT(R)	1990-2004/Sep 03 (c) 2004 The Gale Group
File	20:Dialog Global Reporter	1997-2004/Sep 03 (c) 2004 The Dialog Corp.
File	47:Gale Group Magazine DB(TM)	1959-2004/Sep 03 (c) 2004 The Gale group
File	80:TGG Aerospace/Def.Mkts(R)	1986-2004/Sep 03 (c) 2004 The Gale Group
File	141:Readers Guide	1983-2004/Jul (c) 2004 The HW Wilson Co
File	148:Gale Group Trade & Industry DB	1976-2004/Sep 03 (c) 2004 The Gale Group
File	160:Gale Group PROMT(R)	1972-1989 (c) 1999 The Gale Group
File	482:Newsweek	2000-2004/Sep 01 (c) 2004 Newsweek, Inc.
File	484:Periodical Abs Plustext	1986-2004/Aug W4 (c) 2004 ProQuest
File	570:Gale Group MARS(R)	1984-2004/Sep 03 (c) 2004 The Gale Group
File	609:Bridge World Markets	2000-2001/Oct 01 (c) 2001 Bridge
File	610:Business Wire	1999-2004/Sep 03 (c) 2004 Business Wire.
File	613:PR Newswire	1999-2004/Sep 03 (c) 2004 PR Newswire Association Inc
File	621:Gale Group New Prod.Annou.(R)	1985-2004/Sep 03 (c) 2004 The Gale Group
File	635:Business Dateline(R)	1985-2004/Sep 02 (c) 2004 ProQuest Info&Learning
File	636:Gale Group Newsletter DB(TM)	1987-2004/Sep 03 (c) 2004 The Gale Group
File	646:Consumer Reports	1982-2004/Aug (c) 2004 Consumer Union
File	649:Gale Group Newswire ASAP(TM)	2004/Aug 30 (c) 2004 The Gale Group
File	809:Bridge World Markets News	1989-1999/Dec 31 (c) 1999 Bridge
File	810:Business Wire	1986-1999/Feb 28 (c) 1999 Business Wire
File	813:PR Newswire	1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
?		

7/3,K/9 (Item 7 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05567195 SUPPLIER NUMBER: 11760149 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Realising the benefits of surface engineering.

Metallurgia, v58, n11, p435(2)

Nov, 1991

ISSN: 0141-8602 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1543 LINE COUNT: 00132

... for corrosion protection, the hardening of gear teeth by pack carburising, and decorative coatings for **watch cases**. The traditional view of such processes is that they have often been a final, finishing... coatings (eg Inconel 625) in offshore and marine applications and wear resistant coatings (eg cobalt/ **tungsten carbide**) or aeroengines and in general engineering

19911100

7/3, K/16 (Item 14 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03484426 SUPPLIER NUMBER: 06403737 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Sporty extras playing a winning game. (Accessories supplement)

Colin, Anne

WWD, v155, n39, pS98(1)

Feb 26, 1988

ISSN: 0149-5380 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1018 LINE COUNT: 00080

... on one of the four dials within its main one. The watch is made of tungsten carbide steel and 18-Karat gold with sapphire crystals over the dial and the back of...

...ranges from \$4,900 for a lizard-strap version to \$18,000 for the gold bracelet Polo. Though not the most intricate in design, the popularity of the Polo watch underscores...

19880226

Set Items Description
S1 5742 TUNGSTEN()CARBID? OR TUNGSTENCARBID? OR WOLFRAM()CARBID? OR
 WOLFRAMCARBID? OR W2C
S2 0 RN=(12070-13-2 OR 12070-12-1 OR 11130-73-7)
S3 15270 (WEDDING? OR ANNIVERSARY? OR ENGAGEMENT? OR FINGER? OR JEW-
 ELRY? OR JEWELLRY?) (10N) (RING? OR BAND? OR ANULUS? OR ANNULUS?
 OR ANNULET? OR ANULET?)
S4 190958 NECKLACE? OR BROOCH? OR PENDANT? OR CUFFLINK? OR BRACELET?
 OR WATCHCASE? OR WATCH()CASE? OR EARRING? OR EAR()RING?
S5 51930 IC=(A44C? OR B32B? OR C23C? OR B23P?)
S6 100 S1:S2 AND S3
S7 4 S6 AND S5
S8 3 S1:S2(20N)S3
S9 3 S1:S2(20N)S4
S10 10 S7:S9
S11 7 S10 AND S5
S12 10 S10:S11
S13 10 IDPAT (sorted in duplicate/non-duplicate order)

? show files

File 348:EUROPEAN PATENTS 1978-2004/Aug W05

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040826, UT=20040819

(c) 2004 WIPO/Univentio

?

PAT Lit
Full Text Files
4/15/05 to Applicant
Only

13/3, K/7 (Item 7 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

APPLICANT

00888292 **Image available**
METHOD OF MANUFACTURING COMPOSITE ARTICLES INCLUDING WEAR RESISTANT JEWELRY
PROCEDE DE FABRICATION D'ARTICLES COMPOSITES, Y COMPRIS DES BIJOUX
RESISTANTS A L'USURE

Patent Applicant/Inventor:

WEST Trent, 48 Rancho Del Mar, Aptos, CA 95003, US, US (Residence), US
(Nationality)

Legal Representative:

ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200221962 A1 20020321 (WO 0221962)
Application: WO 2000US15660 20000607 (PCT/WO US0015660)
Priority Application: WO 2000US15660 20000607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AU CA JP MX NZ US ZA

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 12096

Main International Patent Class: A44C-009/00

International Patent Class: A44C-027/00 ...

... B23P-015/00

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... to produce the number of parts required.

The punches are usually made from an alloy of tungsten carbide or
punched steel that can be hardened by oil quenching.

Heating of the cold-welded...10%

Cobalt 1% to 2%

Chromium or Chromium Carbide 0.5% to 3%

Tungsten or Tungsten Carbide balance

Whereas in this example, Nickel and Cobalt are used as binder materials,
other materials...fact combined, the entire assembly can be finished and
polished to complete manufacture of the ring or other article of
jewelry .

Turning now to Figs. 7 through 14, various cross-sectional configurations
of rings are depicted...surface of the inset of precious metal is
recessed below adjacent extremities of the annular band . In a fourth
aspect, the invention provides an item of' jewelry wherein at least one
gemstone is set in the insert of precious metal, the outermost surface of
the gemstone being recessed beneath the adjacent extremities of the
annular band . In a fifth aspect, the invention provides an item of'
jewelry wherein at least one gemstone is set in the insert of precious
metal. In a...

...of precious metal and having its outermost circumference protruding above the outermost circumference of the concentric **band**. In an eighth aspect, the invention provides an item of **jewelry** wherein the annular **band** is comprised of at least two components axially separated by and joined together by at least one annular band of precious metal. In an ninth aspect, the invention provides...

...bands made of disparate materials. In a tenth aspect, the invention provides an item of **jewelry** wherein the annular **band** includes at least two grooves formed in the outer surface thereof, the two grooves being...

...a blank; and sintering the blank to form at least a component of the item of **jewelry**.

This method may further be defined such that the item of **jewelry** is in the form of an annular **band** having a groove formed in the outer surface thereof, and

17

further comprising the step...and method or process for creating objects or articles, particularly composite articles, using wear-resistant or other materials, such as **tungsten - carbide**, poly or mono crystalline ceramics, and mixtures or alloys thereof. In one embodiment the process...

...a precious or semi-precious metal such as gold into a groove in a sintered **tungsten - carbide** or ceramic ring. By lower melting point it is meant a metal (or alloy) having...

Claim

... of the ceramic.

AMENDED SHEET (ARTICLE 19)

31

28 A method of manufacturing a composite **ring** -shaped **jewelry** article including a substrate comprising a first material and an metal wire inlay comprising a...

...below a sintering temperature of the ceramic.

35 A method of manufacturing a plurality of **ring** -shaped **jewelry** articles, each including a ceramic substrate and a gold metal alloy inlay, the method comprising...

...of the articles
using a lathe; and
0) polishing the articles to produce a polished **jewelry** surface.

36 A method of manufacturing a **jewelry** **ring** having a **ring** -shaped substrate comprising a fusible ceramic material and a precious metal inlay wire or band...

13/3, K/10 (Item 10 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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APPLICANT

00481091 **Image available**

WEAR RESISTANT JEWELRY APPARATUS AND METHOD

APPAREIL ET PROCEDE DE FABRICATION DE BIJOUX RESISTANT A L'USURE

Patent Applicant/Assignee:

WEST Trent W,

Inventor(s):

WEST Trent W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9912443 A1 19990318

Application: WO 98US18680 19980908 (PCT/WO US9818680)

Priority Application: US 9758136 19970908

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

= (US) 6062045

Publication Language: English

Fulltext Word Count: 5318

Main International Patent Class: A44C-005/00

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... the number of parts required. The

2

punches are usually made from an alloy of tungsten carbide or punched steel that can be hardened by oil quenching.

Heating of the cold-welded...10%

Cobalt 1% to 2%

Chromium or Chromium Carbide 0.5% to 3%

Tungsten or Tungsten Carbide balance

Whereas in this example, Nickel and Cobalt are used as binder materials, other materials...fact combined, the entire assembly can be finished and polished to complete manufacture of the ring or other article of jewelry .

8

Turning now to Figs. 7 through 14, various cross-sectional configurations of rings are...

Claim

... least one highly polished facet formed on an outer surface thereof

2 An item of jewelry as recited in claim I configured as an annular band having at least one annular groove formed in the outermost surface thereof and includes an...

...surface of said inset of precious metal is recessed below adjacent extremities of said annular band .

4 An item of **jewelry** as recited in claim 3 wherein at least one gemstone is set in said insert...

...metal and having its outermost circumference protruding above the
n
outermost circumference of said concentric **band** .

8 An item of **jewelry** as recited in claim 1 wherein said annular **band** is comprised of at least two components axially separated by and joined together by at least one annular **band** of precious metal.

13

I 9. An item of **jewelry** as recited in claim 8 wherein said axially separated annular bands are joined together by...

Set	Items	Description
S1	7112	TUNGSTEN()CARBID? OR TUNGSTENCARBID? OR WOLFRAM()CARBID? OR WOLFRAMCARBID? OR W2C
S2	0	RN=(12070-13-2 OR 12070-12-1 OR 11130-73-7)
S3	12258	(WEDDING? OR ANNIVERSARY? OR ENGAGEMENT? OR FINGER? OR JEW-ELRY? OR JEWELLRY?) (10N) (RING? OR BAND? OR ANULUS? OR ANNULUS? OR ANNULET? OR ANULET?)
S4	16717	NECKLACE? OR BROOCH? OR PENDANT? OR CUFFLINK? OR BRACELET? OR WATCHCASE? OR WATCH()CASE? OR EARRING? OR EAR()RING?
S5	597890	IC=(A44C? OR B32B? OR C23C? OR B23P?)
S6	3	S1:S2 AND S3
S7	27	S1:S2 AND S4
S8	30	S6:S7
S9	7	S8 AND S5
S10	30	S8:S9
S11	30	IDPAT (sorted in duplicate/non-duplicate order)
? show files		
File 347:JAPIO Nov 1976-2004/Apr (Updated 040802)		
(c) 2004 JPO & JAPIO		
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200456		
(c) 2004 Thomson Derwent		
?		

11/3,K/11 (Item 11 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009185200
WPI Acc No: 1992-312637/199238
XRAM Acc No: C92-138937
XRPX Acc No: N92-239169

Multicoloured ornament for watch cases , bracelets , etc. - prep'd. by forming silicon (oxide), germanium, titanium carbide, nitride or carbonitride or tungsten carbide on surface, forming hard-carbon@ layer, laser processing and multi-colouring

Patent Assignee: CITIZEN WATCH CO LTD (CITL)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4218683	A	19920810	JP 9181365	A	19910322	199238 B

Priority Applications (No Type Date): JP 90213711 A 19900814

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4218683	A		5	C23C-028/00	

Multicoloured ornament for watch cases , bracelets , etc...

...prep'd. by forming silicon (oxide), germanium, titanium carbide, nitride or carbonitride or tungsten carbide on surface, forming hard-carbon@ layer, laser processing and multi-colouring

...Abstract (Basic): USE - Used for watch cases , watch faces, glass frames, bracelets and pendants .

...Title Terms: BRACELET ;

International Patent Class (Main): C23C-028/00

International Patent Class (Additional): A44C-027/00 ...

... C23C-014/04 ...

... C23C-014/06 ...

... C23C-016/04 ...

... C23C-016/26 ...

... C23C-030/00

11/3, K/13 (Item 13 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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004745827

WPI Acc No: 1986-249168/198638

XRAM Acc No: C86-107341

Sintered ornamental alloy for watch cases, necklaces, etc. -
comprises titanium carbide and/or tantalum carbide, 1 or more of
chromium, molybdenum and chromium carbide, nickel and tungsten carbide

Patent Assignee: NIPPON TUNGSTEN KK (NIUB); SUWA SEIKOSHA KK (SUWA)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 61177351	A	19860809	JP 8519091	A	19850202	198638 B
JP 87054856	B	19871117				198749

Priority Applications (No Type Date): JP 8519091 A 19850202

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 61177351	A		4		

Sintered ornamental alloy for watch cases, necklaces, etc...
...and/or tantalum carbide, 1 or more of chromium, molybdenum and chromium
carbide, nickel and tungsten carbide

...Abstract (Basic): USE/ADVANTAGE - The alloy is used for watch cases,
necklaces, and other ornamental parts, and has a hardness as high as
1100-1300 Hv, good...

...Title Terms: NECKLACE ;

11/3, K/15 (Item 15 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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004446203

WPI Acc No: 1985-273081/198544

XRAM Acc No: C85-118451

Surface finishing ornamental workpiece such as watch - case - by forming titanium nitride coating followed by using liq. medium contg. gold salt and then baking

Patent Assignee: SEIKO DENSHI KOGYO KK (DASE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 60184682	A	19850920	JP 8440651	A	19840302	198544 B

Priority Applications (No Type Date): JP 8440651 A 19840302

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 60184682	A	3		

Surface finishing ornamental workpiece such as watch - case -

...Abstract (Basic): A watch case made of sintered hard material composed of stainless steel, tungsten carbide, etc. was used as substrate, and a titanium nitride film was formed about 0.5-5 microns thick. By applying the following method, a gold film was formed on the watch case. The substrate was immersed in liq. medium comprising amyl mercaptan (85%) 320g, gold chloride 35g...

...430 ml, ethyl alcoholate 35g, and lavender oil 180g, volatile matter evaporated off, and the watch case put in an electric furnace. The temp. was increased gradually until it reached 200-350...

International Patent Class (Additional): C23C-014/06 ...

... C23C-018/08

11/3, K/16 (Item 16 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004293107

WPI Acc No: 1985-119985/198520

XRAM Acc No: C85-052124

Material for aluminous ornaments - comprises metal, e.g. tungsten, carbide, opt. titanium carbide and alumina opt. contg. magnesia

Patent Assignee: NIPPON TUNGSTEN KK (NIUB)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 60060976	A	19850408	JP 83170201	A	19830913	198520 B
JP 88048825	B	19880930				198843

Priority Applications (No Type Date): JP 83170201 A 19830913

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 60060976	A		7		

... comprises metal, e.g. tungsten, carbide, opt. titanium carbide and alumina opt. contg. magnesia

...Abstract (Basic): USE/ADVANTAGE - For aluminous ornaments such as watch cases, pendants, etc.. Bodies of complicated shape are easily preparable. It has high corrosion and abrasion-resistance...

11/3,K/19 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

003964791
WPI Acc No: 1984-110335/198418
XRAM Acc No: C84-046742
XRPX Acc No: N84-081594

Sintered hard alloy useful as watch case etc. - consists of tungsten carbide carbide together with GP-IVA or GP-VA transition metal carbide or nitride and specified binder metal

Patent Assignee: SUWA SEIKOSHA KK (SUWA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 59050152	A	19840323	JP 82159091	A	19820913	198418 B

Priority Applications (No Type Date): JP 82159091 A 19820913

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 59050152	A		4		

Sintered hard alloy useful as watch case etc...

...consists of tungsten carbide carbide together with GP-IVA or GP-VA transition metal carbide or nitride and specified...

...Abstract (Basic): Gp.4a and 5a transition metals such as TiC, TaC, NbC, VC, TiN, etc. and tungsten carbide WC, of average grain size less than 0.6 micron, together with 14-18 wt...

11/3,K/20 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003913777

WPI Acc No: 1984-059321/198410

XRAM Acc No: C84-025251

XRPX Acc No: N84-044703

Superhard watch case etc. comprising hard phase in binder matrix -
contains GP-IVa or GP-Va metal carbide and/or nitride, tungsten
carbide and palladium and gold together with nickel etc.

Patent Assignee: SUWA SEIKOSHA KK (SUWA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 59016946	A	19840128	JP 82127313	A	19820720	198410 B

Priority Applications (No Type Date): JP 82127313 A 19820720

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 59016946	A		4		

Superhard watch case etc. comprising hard phase in binder matrix...

...contains GP-IVa or GP-Va metal carbide and/or nitride, tungsten
carbide and palladium and gold together with nickel etc.

11/3,K/21 (Item 21 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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003672862

WPI Acc No: 1983-32832K/198314

XRAM Acc No: C83-032041

Molybdenum-based alloy, useful as watch case - contg.
molybdenum-and/or tungsten carbide and/or carbonitride, and ferrous
Gp. metal binder and solid molybdenum (-tungsten) solns.

Patent Assignee: SUMITOMO ELECTRIC IND CO (SUMEC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 58031058	A	19830223				198314 B

Priority Applications (No Type Date): JP 81128000 A 19810815

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 58031058	A		3		

Molybdenum-based alloy, useful as watch case - ...

...contg. molybdenum-and/or tungsten carbide and/or carbonitride, and
ferrous Gp. metal binder and solid molybdenum (-tungsten) solns.

...Abstract (Basic): The superhard alloy is useful as a watch case. Its
sinterability is enhanced by the addn. of the Mo and W solid solns.,
without...

11/3,K/24 (Item 24 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

002054473

WPI Acc No: 1978-67534A/197838

External parts for portable clock or wrist-watch - comprises a metal (alloy) with a black-silver coloured layer contg. or consisting of tungsten carbide

Patent Assignee: SUWA SEIKOSHA KK (SUWA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 53092375	A	19780814				197838 B

Priority Applications (No Type Date): JP 76159765 A 19761230

... comprises a metal (alloy) with a black-silver coloured layer contg. or consisting of tungsten carbide

...Abstract (Basic): The external comprise a hard layer, consisting (partly of) tungsten carbide of 0.3-8 μ m thickness and >800 Kg/mm² Vicker's hardness, on...

...The coating with tungsten carbide is pref. carried out by direct excitation ion plating in acetylene or methane gas. The film has a decorative blackish/silver colour and high adhesion to the base (e.g. watch case, band, etc.) of e.g. superhard alloy.

...International Patent Class (Additional): C23C-013/04 ...

... C23C-015/00

11/3,K/25 (Item 25 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

002028495

WPI Acc No: 1978-41538A/197823

Superhard coloured sintered alloy wrist- watch case - comprises alloy obtd. by sintering intermetallic solid soln. of e.g. tungsten carbide and zirconium nitride and copper powder

Patent Assignee: SUWA SEIKOSHA KK (SUWA)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 78013567	B	19780511				197823 B
JP 49049669	A	19740514				197823

Priority Applications (No Type Date): JP 7291924 A 19720913; JP 7932039 A 19700507

Superhard coloured sintered alloy wrist- watch case - ...

...comprises alloy obtd. by sintering intermetallic solid soln. of e.g. tungsten carbide and zirconium nitride and copper powder

...Abstract (Basic): The watch case is formed of sintered alloy obtd. by sintering the mixed powder compact comprising >1 solid...

11/3, K/28 (Item 28 from file: 350) 0
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

001396931

WPI Acc No: 1975-46628W/197528

Watch case sintered product - contains titanium-nitride, carbide, tungsten carbide, tantalum carbide, with iron, cobalt, nickel and/or chromium

Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 49106410	A	19741009				197528 B

Priority Applications (No Type Date): JP 7318397 A 19730216

Watch case sintered product...

...contains titanium-nitride, carbide, tungsten carbide, tantalum carbide, with iron, cobalt, nickel and/or chromium

...Abstract (Basic): have high strength, hardness, corrosion resistance, and weathering resistance and are useful for mfr. of watch cases .
In an example, powd. TiN (0.7 mu) 40, powd. WC (1.0 mu) 25...

11/3, K/30 (Item 30 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

05156615 **Image available**
CONNECTING STRUCTURE OF WRISTWATCH CASE AND BAND

PUB. NO.: 08-112115 [JP 8112115 A]
PUBLISHED: May 07, 1996 (19960507)
INVENTOR(s): KANAI KOTARO
TAKAHASHI ISAMU
APPLICANT(s): CITIZEN WATCH CO LTD [000196] (A Japanese Company or
Corporation), JP (Japan)
NAMIKI PRECISION JEWEL CO LTD [368188] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 06-278585 [JP 94278585]
FILED: October 19, 1994 (19941019)

INTL CLASS: A44C-005/14

ABSTRACT

...has been fixed by the screw bushing, and by connecting the end ring with
the **watch case**.

...
... A wristwatch case is made of a cemented carbide metal such as tantalum
carbide or **tungsten carbide**, and the side part 1 thereof is provided
with a recessed part 2 on its

Set	Items	Description
S1	59	AU=(WEST T? OR WEST, T?)
S2	0	TRENT(2N)WEST
S3	990868	JEWELRY? OR JEWELLERY? OR RING? ? OR WATCHCASE? OR WATCH() - CASE? OR BAND? ? OR ANNULUS? OR ANULUS? OR NECKLACE? OR EARRI- NG? OR BRACELET?
S4	61891	TUNGSTEN? OR TUNGSTEN()CARBIDE? OR TREWTUNGSTEN? OR TREW() - TUNGSTEN?
S5	597890	IC=(A44C? OR B32B? OR C23C? OR B23P?)
S6	3	S1:S2 AND S3
S7	0	S1:S2 AND S4
S8	3	S1:S2 AND S5
S9	4	S6:S8
S10	0	S1 AND S4
S11	4	S9:S10
S12	4	IDPAT (sorted in duplicate/non-duplicate order)

? show files
File 347:JAPIO Nov 1976-2004/Apr(Updated 040802)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200456
(c) 2004 Thomson Derwent
? pause
?

12/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014471611 **Image available**

WPI Acc No: 2002-292314/200233

XRPX Acc No: N02-228196

Manufacture of composite articles such as wear resistant jewelry by contacting different materials and heating one material to fill depression in other material surface

Patent Assignee: WEST T (WEST-I)

Inventor: WEST T

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200221962	A1	20020321	WO 2000US15660	A	20000607	200233 B
AU 200055984	A	20020326	AU 200055984	A	20000607	200251
			WO 2000US15660	A	20000607	

Priority Applications (No Type Date): WO 2000US15660 A 20000607

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200221962 A1 E 51 A44C-009/00

Designated States (National): AU CA JP MX NZ US ZA

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 200055984 A A44C-009/00 Based on patent WO 200221962

Manufacture of composite articles such as wear resistant jewelry by contacting different materials and heating one material to fill depression in other material surface

Inventor: WEST T

Abstract (Basic):

... The items of jewelry produced are substantially immune from wear and ordinary damage. The hard metal shields and protects the softer material from wear and damage. The jewelry presents a pleasant and unique appearance to the eye...

International Patent Class (Main): A44C-009/00

International Patent Class (Additional): A44C-027/00 ...

... B23P-015/00

12/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012408770 **Image available**

WPI Acc No: 1999-214878/199918

XRAM Acc No: C99-063278

Wear resistant jewelry for fingers etc. is made of sintered metals, ceramics and polished facet

Patent Assignee: WEST T W (WEST-I); WEST T (WEST-I)

Inventor: WEST T ; WEST T W

Number of Countries: 078 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9912443	A1	19990318	WO 98US18680	A	19980908	199918 B
AU 9893072	A	19990329	AU 9893072	A	19980908	199932
US 6062045	A	20000516	US 9758136	P	19970908	200031

RELATED

TO

THIS

APPLICATION

US 6553667	B1	20030429	US 98149796	A	19980908	
			US 9758136	P	19970908	200331
			US 98149796	A	19980908	
			US 2000571583	A	20000515	
US 20040020242	A1	20040205	US 9758136	P	19970908	200411
			US 98149796	A	19980908	
			US 2000571583	A	20000515	
			US 2003410656	A	20030408	
			US 2003633575	A	20030805	
US 20040025347	A1	20040212	US 9758136	P	19970908	200412
			US 98149796	A	19980908	
			US 2000571583	A	20000515	
			US 2003410655	A	20030408	
US 20040025348	A1	20040212	US 9758136	P	19970908	200412
			US 98149796	A	19980908	
			US 2000571583	A	20000515	
			US 2003410656	A	20030408	
US 20040088862	A1	20040513	US 9758136	P	19970908	200432
			US 98149796	A	19980908	
			US 2000571583	A	20000515	
			US 2003410656	A	20030408	
			US 2003633584	A	20030805	

Priority Applications (No Type Date): US 9758136 P 19970908; US 98149796 A 19980908; US 2000571583 A 20000515; US 2003410656 A 20030408; US 2003633575 A 20030805; US 2003410655 A 20030408; US 2003633584 A 20030805

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9912443	A1	E	23	A44C-005/00	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9893072	A			A44C-005/00	Based on patent WO 9912443
US 6062045	A			A44C-009/00	Provisional application US 9758136
US 6553667	B1			A44C-027/00	Provisional application US 9758136
					CIP of application US 98149796
					CIP of patent US 6062045
US 20040020242	A1			A44C-009/00	Provisional application US 9758136
					CIP of application US 98149796
					Div ex application US 2000571583
					Cont of application US 2003410656
					CIP of patent US 6062045
					Div ex patent US 6553667
US 20040025347	A1			A44C-027/00	Provisional application US 9758136
					CIP of application US 98149796
					Div ex application US 2000571583
					CIP of patent US 6062045
					Div ex patent US 6553667
US 20040025348	A1			A44C-027/00	Provisional application US 9758136
					CIP of application US 98149796
					Div ex application US 2000571583
					CIP of patent US 6062045
					Div ex patent US 6553667
US 20040088862	A1			A44C-027/00	Provisional application US 9758136
					CIP of application US 98149796
					Div ex application US 2000571583
					CIP of patent US 6062045
					Div ex patent US 6553667

CIP of application US 98149796
Div ex application US 2000571583
Cont of application US 2003410656
CIP of patent US 6062045
Div ex patent US 6553667

Wear resistant jewelry for fingers etc. is made of sintered metals, ceramics and polished facet

Inventor: WEST T ...

... WEST T W

Abstract (Basic):

... An item of jewelry is made of material selected from sintered metals and ceramics and has at least one...

... An INDEPENDENT CLAIM is also included for a method of providing an item of jewelry comprising: (a) providing a pressure mold having a cavity of predetermined configuration formed in it...

...As jewelry items such as finger rings, bracelets, earrings, and body jewelry.

...

...hard materials shield and protect the softer materials from wear and damage. The items of jewelry maintain their luster for life and do not require frequent polishing

Technology Focus:

... Preferred Article: The jewelry is configured as an annular band having at least one annular groove is formed in the outermost surface and includes an insert of precious metal disposed within the groove. The band is comprised of at least two components axially separated by and joined together by at least one annular band of precious metal. At least one gemstone is set in a cavity in the band.

International Patent Class (Main): A44C-005/00 ...

... A44C-009/00 ...

... A44C-027/00

12/3, K/3 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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009916073 **Image available**
WPI Acc No: 1994-183783/199422
XRXPX Acc No: N94-145078

DIS RE6A11

Storage disk with liquid lubricant interface between it and data recording head - has housing with lubricated disk, spindle motor, clamp ring, magnet, wick, structure, disk, wick housing, cover and spring and bearing, inner hub, with outer hub, shaft, thrust, bearing and stator assembly.

Patent Assignee: SEAGATE TECHNOLOGY INC (SEAG-N); CONNER PERIPHERALS INC (CONN-N)

Inventor: JOHNSON G; REPPHUN W; WEST T; WONG W; YATES R E

Number of Countries: 019 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9411879	A1	19940526	WO 93US10213	A	19931022	199422 B
US 5559650	A	19960924	US 92976198	A	19921113	199644
			US 95410555	A	19950323	

Priority Applications (No Type Date): US 92976198 A 19921113; US 95410555 A 19950323

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 9411879 A1 E 66 G11B-033/14

Designated States (National): JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

US 5559650 A 30 G11B-033/14 Cont of application US 92976198

... has housing with lubricated disk, spindle motor, clamp ring, magnet, wick, structure, disk, wick housing, cover and spring and bearing, inner hub, with outer...

...Inventor: WEST T

...Title Terms: RING ;

12/3,K/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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003774445

WPI Acc No: 1983-770667/198338

XRPX Acc No: N83-168628

Device for attaching insulator pods to wire terminals - has pod aligning and supply mechanism, wire grippers and terminal grippers for locking pod on terminal

Patent Assignee: BURCLIFF IND INC (BURC-N)

Inventor: WEST T V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4402132	A	19830906				198338 B

Priority Applications (No Type Date): US 81250434 A 19810402

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 4402132 A 12

Inventor: WEST T V

International Patent Class (Additional): B23P-019/00

15REGRAD

Set Items Description
S1 37 AU=(WEST T? OR WEST, T?)
S2 5 TRENT(2N)WEST
S3 601539 JEWELRY? OR JEWELLERY? OR RING? ? OR WATCHCASE? OR WATCH()-
 CASE? OR BAND? ? OR ANNULUS? OR ANULUS? OR NECKLACE? OR EARRI-
 NG? OR BRACELET?
S4 44640 TUNGSTEN? OR TUNGSTEN()CARBIDE? OR TREWTUNGSTEN? OR TREW()-
 TUNGSTEN?
S5 51886 IC=(A44C? OR B32B? OR C23C? OR B23P?)
S6 9 S1:S2 AND S3
S7 3 S1:S2 AND S4
S8 4 S1:S2 AND S5
S9 10 S6:S8
S10 10 IDPAT (sorted in duplicate/non-duplicate order)
? show files
File 348:EUROPEAN PATENTS 1978-2004/Aug W04
 (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040826, UT=20040819
 (c) 2004 WIPO/Univentio
?

10/3,AU/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01461086

METHOD OF MANUFACTURING COMPOSITE ARTICLES INCLUDING WEAR RESISTANT JEWELRY
PROCEDE DE FABRICATION D'ARTICLES COMPOSITES, Y COMPRIS DES BIJOUX RESISTANTS A L'USURE

PATENT ASSIGNEE:

West , Trent W., (2738060), 48 Rancho Del Mar, Aptos, CA 95003, (US),
(Applicant designated States: all
INVENTOR:

West , Trent W., 48 Rancho Del Mar, Aptos, CA 95003, (US
PATENT (CC, No, Kind, Date):

WO 2002021962 020321

APPLICATION (CC, No, Date): EP 2000941255 000607; WO 2000US15660 000607
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A44C-009/00 ; A44C-027/00 ; B23P-015/00 ;
B22D-018/02

NOTE:

West, Trent W., (2738060), 48 Rancho Del Mar, Aptos, CA 95003, (US);
NOTICE DRAWINGS ATTENTION TO ART. 86(2) EPC, ART, 2NO. 5 OF THE RULES
RELATING TO FEES - PAYMENT OF THE RENEWAL FEE PLUS ADDITIONAL FEE
LANGUAGE (Publication,Procedural,Application): English; English; English

10/3,AU/2 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00888292

METHOD OF MANUFACTURING COMPOSITE ARTICLES INCLUDING WEAR RESISTANT JEWELRY
PROCEDE DE FABRICATION D'ARTICLES COMPOSITES, Y COMPRIS DES BIJOUX RESISTANTS A L'USURE

Patent Applicant/Inventor:

WEST Trent , 48 Rancho Del Mar, Aptos, CA 95003, US, US (Residence),
US (Nationality)

Legal Representative:

ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200221962 A1 20020321 (WO 0221962)

Application: WO 2000US15660 20000607 (PCT/WO US0015660)

Priority Application: WO 2000US15660 20000607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP MX NZ US ZA

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 12096

10/3,AU/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS
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RELATED TO
APPLICATION

01040532

WEAR RESISTANT JEWELRY APPARATUS AND METHOD
APPAREIL ET PROCEDE DE FABRICATION DE BIJOUX RESISTANT A L'USURE

PATENT ASSIGNEE:

West , Trent W., (2738060), 48 Rancho Del Mar, Aptos, CA 95003, (US),
(Applicant designated States: all

INVENTOR:

West , Trent W., 48 Rancho Del Mar, Aptos, CA 95003, (US)
PATENT (CC, No, Kind, Date):

WO 9912443 990318

APPLICATION (CC, No, Date): WO 98945937 980908; WO 98US18680 980908

PRIORITY (CC, No, Date): US 58136 970908

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: A44C-005/00 ; B22F-001/00

LANGUAGE (Publication,Procedural,Application): English; English; English

10/3,AU/4 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00481091

WEAR RESISTANT JEWELRY APPARATUS AND METHOD
APPAREIL ET PROCEDE DE FABRICATION DE BIJOUX RESISTANT A L'USURE

Patent Applicant/Assignee:

WEST Trent W

Inventor(s):

WEST Trent W

Patent and Priority Information (Country, Number, Date):

Patent: WO 9912443 A1 19990318

Application: WO 98US18680 19980908 (PCT/WO US9818680)

Priority Application: US 9758136 19970908

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN GH GM KE LS MW SD SZ UG
ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5318

10/3,AU/5 (Item 5 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01008849

PADS FOR CMP AND POLISHING SUBSTRATES

TAMPONS POUR PLANARISATION CHEMICO-MECANIQUE ET POLISSAGE DE SUBSTRATS

Patent Applicant/Assignee:

THOMAS WEST INC, 470 Mercury Drive, Sunnyvale, CA 94085, US, US

(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

WEST Thomas, 187 Goya Road, Portola Valley, CA 94028, US, US

DISREGARD

(Residence), US (Nationality

Legal Representative:

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
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Set Items Description
S1 1183 AU=(WEST T? OR WEST, T?)
S2 59 TRENT(2N)WEST
S3 1704411 JEWELRY? OR JEWELLERY? OR RING? ? OR WATCHCASE? OR WATCH() -
CASE? OR BAND? ? OR ANNULUS? OR ANULUS? OR NECKLACE? OR EARRI-
NG? OR BRACELET?
S4 148646 TUNGSTEN? OR TUNGSTEN()CARBIDE? OR TREWTUNGSTEN? OR TREW() -
TUNGSTEN?
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S6 14 RD (unique items)

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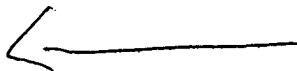
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Set      Items      Description
S1      540      AU=(WEST T? OR WEST, T?)
S2      556      TRENT(2N)WEST
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                  NG? OR BRACELET?
S4      38688    TUNGSTEN? OR TUNGSTEN()CARBIDE? OR TREWTUNGSTEN? OR TREW()-
                  TUNGSTEN?
? s s1:s2 and s3:s4
      1096  S1:S2
      2389073 S3:S4
S5      29      S1:S2 AND S3:S4
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...completed examining records
S6      26      RD (unique items)
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Set      Items      Description
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S2      556      TRENT(2N)WEST
S3      2353596    JEWELRY? OR JEWELLERY? OR RING? ? OR WATCHCASE? OR WATCH()-
                  CASE? OR BAND? ? OR ANNULUS? OR ANULUS? OR NECKLACE? OR EARRI-
                  NG? OR BRACELET?
S4      38688    TUNGSTEN? OR TUNGSTEN()CARBIDE? OR TREWTUNGSTEN? OR TREW()-
                  TUNGSTEN?
S5      29      S1:S2 AND S3:S4
S6      25      RD (unique items)
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4422682 Supplier Number: 121333773
8 Trew Tungsten .

(Product)

National Jeweler, v 98, n 16, p 30
August 16, 2004

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LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 38

8 Trew Tungsten .

TEXT:

8 Trew Tungsten by Trent West Tungsten carbide rings are sold under the trademark Permanently Polished, and are scratch-resistant, ground and hand-finished with diamonds. These 7-millimeter and 9-millimeter wedding bands are part of the Trew24 Series.

(ILLUSTRATION OMITTED)

www. **trewtungsten** .com

PRODUCT NAMES: **Jewelry** , silverware, and plated ware (391000)